





LADY HARDINGE MEDICAL COLLEGE
DEPARTMENT OF PATHOLOGY

Patient Details:	LAKSH	47/M	16880
Bone marrow received on:	07/7/2025		
Bone marrow aspirate:	B63/25		
Clinical details: 3rd fever since 2 months, associated with pain in lower limb, abdominal distension and progressive pallor.			
CBC:			
Hb (gm/dl)	TLC x10 ⁹ /ul	Platelet BF x 10 ⁹ /ul	
6.2	5.36	8	
DLC: Blast 30 Myl 5 Mmy 2 S12 N30 L36			
Peripheral smear: Smear shows presence of 30% blasts. These blasts are 2-5 times the size of small mature lymphocyte, with moderate amount of cytoplasm, many showing fine vacuolation. The nuclei show irregular nuclear membrane, finely dispersed chromatin and 1-3 nucleoli. Condensed nucleoli are present. The cells show moderate anisocytosis with presence of predominantly normoblastic normochromic cells. Platelets are reduced on smear.			
Bone marrow Aspirate: Smear show no particles and are diluted with peripheral blood. 52% blasts are identified showing similar morphology as described above. Few cells of erythropoiesis seen. No megakaryocyte seen.			
Myelogram:			
Blasts	52	Eosinophils	-
Promyelocytes	-	Erythroid	+
Myelocytes	-	Plasma cells	-
Metamyelocytes	-		
Stab forms / Band forms	2		
Neutrophils	5		
Lymphocytes	35		
IMPRESSION - In view of morphology and flow cytometry findings possibility of leukemic phase of Burkitt's lymphoma is suggested.			
ADVICE - 1) Clinical correlation 2) Cytogenetics of MYC gene rearrangement			


Dr. Shival Sehgal
Assistant Professor
08/07/2025



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Patient Details:	LAKSH	44/M	16890																												
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Clinical details	Fever since 2 months, associated with pain in lower limb, abdominal distension and progressive pallor.																														
CBC	<table border="1"><tr><td>Hb (gm/dl)</td><td>TLC x10⁹ /ul</td><td>Platelet &F x 10⁹ /ul</td></tr><tr><td>6.2</td><td>5.36</td><td>8</td></tr></table>			Hb (gm/dl)	TLC x10 ⁹ /ul	Platelet &F x 10 ⁹ /ul	6.2	5.36	8																						
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6.2	5.36	8																													
DLC: Blast30 My1 Nmy1 M2 N30 L36																															
Peripheral smear:	Smear shows presence of 30% blasts. These blasts are 3-5x the size of small mature lymphocyte with moderate amount of cytoplasm showing fine vacuolation. The nuclei show irregular nuclear membrane, finely dispersed chromatin and 1-2 inconspicuous nucleoli. Red cells show moderate anisocytosis with presence of anisodiskocytes, normochromic cells. Platelets are reduced on smear.																														
Bone marrow Aspirate:	Smears show no particle and are diluted with peripheral blood. 42% blast are identified showing similar morphology as described above. Few cells of erythroid lineage seen. No megakaryocyte seen.																														
Myelogram	<table border="1"><tr><td>Blasts</td><td>52</td><td>Eosinophils</td><td>-</td></tr><tr><td>Promyelocytes</td><td>-</td><td>Erythroid</td><td>+</td></tr><tr><td>Myelocytes</td><td>-</td><td>Plasma cells</td><td>-</td></tr><tr><td>Metamyelocytes</td><td>-</td><td></td><td></td></tr><tr><td>Stab forms / Band forms</td><td>2</td><td></td><td></td></tr><tr><td>Neutrophils</td><td>5</td><td></td><td></td></tr><tr><td>Lymphocytes</td><td>35</td><td></td><td></td></tr></table>			Blasts	52	Eosinophils	-	Promyelocytes	-	Erythroid	+	Myelocytes	-	Plasma cells	-	Metamyelocytes	-			Stab forms / Band forms	2			Neutrophils	5			Lymphocytes	35		
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Government of India

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